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Inaugural Essay

Etrelera Stefantum by William Sohnson

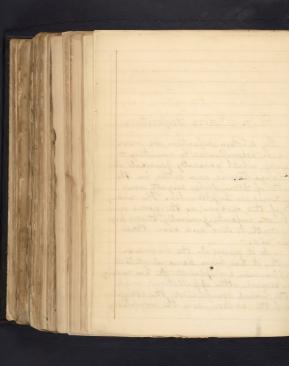
Delaware

1826

on Cholera Infantum.

By Cholora Infantum we mean a disease, accompanied by womiting of hurging, which generally prevails in our large towns, and cities in the mouth of June, July, July, and sometimes in Leptenber. The subjects of this disease, as the name imports, are infants, generally those pomone month, to two and even those years old.

how it accurs in the summer months, it has been denominated the Jummer complaint. It has received several other appellations, such as the bowel complaint, the complaint of the season, and the someting



and purging of Children.

It pequently commences with
a disorthora; which sometime continue
for two or three days, with very little
general disorder of the system, specifit
some despres of emaciation, resulting
from the pequent alrine discharges.
The childs manaportion is generally,
ascribed, by the mother or nurs, to unmis; or, if it he about the unal period
of devittion, it is commonly attribute

to this eauna.

The attack, however, more pregner with a violent woming and purging, alternatively, or together, according med with more or left fever. The discharge from the stomach and bowels, particularly from the latter, are generally green of a dark yellow colour, sometimes them, and of a watery appearance, at other times of a mixed condy nature, containing dark greenish streak.

when the dijections are thin and watery, they are generally pretty

frequent and large in quantity with little or no appearance of lile intermised. Tometimes the evacuations, from the bowels, are of a slimy or mucous nature. worms are occasionally discharged at an advanced period of this disease, but more generally about the middle stage, hence it has been prequently ascribed to worms. Cholera Infantum is mostly accompanied by a pever of the remitting type; and, in many cases, the remission can be distinctly observed, with evident exacerbations in the evening. The pulse in this disease is weak and ynick, and generally soft. These is often a preternatural wormth of the head, with an unusual coldness of the extremities. That the head is considerably affected in this disease, is evident from the constant turning, tofsing and throwing the head backwords, and attempting to scratch the nurse; in some instances, There is even

it more simually about turned it has been blequest Brown transmin is mosted Emriduably affected at the dustre beliggiand throwing the area on

delirium. Children in the early stage of The disease appear to suffer considerable pain, as is indicated by more or less restlessness, drowing who the legs, and twisting or turning of the body, with other symptoms of great unearings. The eyes appear dull, heavy, and Jusken; the countenance is pale and manismate; the features diminished or contracted. On this stage of the disease, the child sheeps with the eyes more or less open; sometimes not more than half closed and so insensible is the system, at this period, that the flies, which alight whom the eye-lide, do not excite any motion of the eye for their removal. There is considerable thirst theaughout the whole course of the disease which increases as the disease advances. The desire for cold water continues uninterrupted, although the stomach

the eyes offer

rejects it, in a few minutes after it is taken. The priceding symptoms, unlips arrested by our remedial agents, go on increasing in violence. The evacuations become more prequent, and offensive, or more copious and unnatural; until at last the substances, taken into the stomach, pass through the intestines, with with a no attraction. In this state of themes unich speedy wing be aforded by our inmedies, or a favourable change he produced ly a removal into the country, symptoms of a more fatal character soon impervene. We now have an aphthous state of the mouth, distention of the abdomery build skin, a time emacration, coma, eye lid , half open, with the eye turned upward, a Lyphocratic countinance, and sometimes convictions. When there muptoms make their oppearance, death soon relieves, the little sufferer. when the attack is very wehement, I sometimes proves fatal in twenty



four hours; Though the patient frequently lingers for weeks. Cholera Infantum is principally of not entirely, a disease of warm and climates, and prevails only during the summer months. The pregnency and violence of The disease, as has been observed by Dr. Rush, appear to be in proportion to the degree and continuance of of the hummer heat; and it rubides, on the appearance of cold weather, From the above fact it would seem that heat has a prominent agency in the prodnetron of the disease. It is chiefly if not entirely, confined to large towns and crouded eities; and is more prevalent and fatal, among the poor who inhabit close, narrow, & filthy alleys. That Cholera Infantum is a variety of Bilions Fever, introverted, or determined to the intestines, is an afsertion which I shall not attempt to contravert. Nor will I demy that



the viteated or mias matic state of the air, in The large cities, is of the same nation as that producing Bilions Fever, as mentioned by uniters on the subject, partienlarly by D. D. F. Condin. I would harely observe, that in many low manshy situations, where dutermittent, Remittent, and Bilions Fevers prevail To a very great 4 tent, Cholera Infanturn is searcely known. That dentition alone cannot generate Cholera Infantium, although when formed it may greatly aggreeate all of the symptoms, is sufficiently evident. For were it the case, we should not have the disease only appearing

with gother was greatly as given and all of the symptoms, is sufficiently evident. For were it the case, we should not have the disease only appearing in particular months; it should occur as often in the winter, as cluring the summer, since cleutition is going on at all seasons. But where a precisions at all seasons. But where a precisions we table the disease has been previously established, it may reachily be 4 interest by this process.



prosence of worms in the alimentary canal. But as it sometimes occurs when There is not the slightest evidence of the existence of worms; and as they are often present without occasioning any symptoms of this disease; we may fairly unper, that they are not a common cause of cholera. Indeed as Di Bush justly observes, it is difficult to conceine how worms can combine in make a manner as to produce an epidensic disease. Itill, however, I am far from denying that worms may aggravate, or even excite, the disease, where there exists a predisposition. Inch oblieve to be the fact. But a greater agency in the production of Chalera, than this, I am fully permaded they do not exercise.

especially when unrips, prove an 4eiting cause of the disease. But cause they produce it without the cooperation of any anythiary means, then the



disease would be more prevalent in the country, where the communitation of fruit is gleater, than in extens the reverse of this, however, obtains, for in the country, it is comparatively

a rare disease.

Iron a clue consideration of all the circumstances commetted with Cholira Infantium, it would offer that the great heat of our minimer most there are the main, if not the origin causes, that give rise to this disease. I thall not attempt to applain the manner, in which the heated and impure atmosphere of our cities, operates on the ony time of infants, to produce so writing a condition of the alimentary canal.

I shall now proceed to pointout what appears to me the host course to be pursued, in the management of cho-

lera Infantien.

of the disease, we should resort to an



active emeti, either of Specacuants on tertained automory. This remedy determines to the surbace, cleans sout the stamach, and prepares it for the reception of other articles.

At should be meereded by a macurial purgative. By the early exhibition of an emetic pollowing up by a catharing of calonel, we remove more entainly and sheeping, the intention contints of the prime vie, institute a new action in the alimentary canal, and in some instances arrest the disease at some instances arrest the disease at making the progreps or volume of the disease, we are to resort to other premises calculated

to accomplish the object.
The stomach being the medium Through which empressives are mostly made on the system, no lettle difficulty is uperienced, when it becomes modified in intable, 4 repairs to retain our medicines. Gastre irritability is one of the Characteristic peatures of cholerady antana.



To allay this condition of the stomach, war rious remedies have been proposed, the most effectual are anodyne rijections, the warm bath, & bomen tations. If there he much petite action, with a vigorous pulse, a good deal of herefit, in some instances, will be uperienced from the use of the lancet. This remedy, however, must not be rash by resorted to; much injury would ineritably ensue from its more erimnate use. Itil where the symptoms call for venesection, & it is not contraudicated by the state of the system, considerable relief will be afforded by it. But probably the most impor-Homach and bowiels have been completely cleansed, is male & repeated dones of calomel. By persevening in the use of this article, the gastrie irratability is allayed, the liver is excited to The performance of its healthy func thous, and the frequency & qualityte



of the discharges are attered. To soon as the stools assume a bright yellow colour, indicative of the action of the calomet on the liver, convalescence, speedely takes place. It sometimes happens, that the incharges are so frequent & copious as to occasion prostration to an alarming 4tent. Muder these circumstances, small portrons of openint specacion hashaula be combined with the calonel. This combination by determining to the surface, and medicing persperation, is frequently productive of much permanent advan-tage. But any rote by checking the dis-ease it gives time to the calculate 4est its after ative effect on the system. Though it generally closs more than palliate Blisters applied over the re-

gion of the stomack of the extremities are after very serviceable. By the streinities are after very serviceable, By the streinities which they make on the system, they invite the



disease to the surface, & thereby equalize the excitement & relieve the internal

parts.

the have already mentioned the warm bath as a resolved well mutel to calm the writability of the stomach herides thus, it alternishes to the mejac promotes chafterers & checks the frequency of the about discharges. The afficacy of the bath is enhanced by the addition of some remaindating respections, such as common salt, branchy, caysas peppers or mustard. It should be repeated two or these times a day.

Alubarh is a good deal emplayed in the treatment of this chisean. It seems however to be better mittee to those cases that are unaccompanied by romiting. Given alone, in these cases, or conjoined with Edwined Magneria, if well be found very useful in aversting. The charhoea.

Not the least important of

The remedies for cholera Infantum,



is flammell next the Thin. This should never be neglected. It is particularly necessary that wallen stackings he worn. simply by encaring the little patient in plannel, I have more than once seen The disease, which had before been very intractable, speedily assume a more favourable aspect. But after all, the most effectual way of arresting the complaint is to send the patient into the comtry. Tearcely does the little sufferer breathe the pure & renovating air of the country before he becomes refre-Thed & invigorated. When we have so certain & expeditions a means of restory The patient to health, we should be howticularly contions how we tamper with The disease, until it becomes so finnely fixed, as not to be eradicated. If themfor the ordinary remedies do not soon make a favourable unpression on the disease, it will be adviseably in all eases, to send the patient into the

country. This simple of predicate, after every other attempt to arrest its progress has proved abortion, of when the case is apparently hopeless, has represtedly been crowned with conplete meces.

